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## PATENT ABSTRACTS OF JAPAN

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TAKEUCHI TOMIO (72)Inventor:

NAKAMURA HIKARI **ISUCHIDA TOSHIO IINUMA HIRONOBU** 

**OSANAWA HIROSHI** SAWA TSUTOMU HAMADA MASA

MATSUMOTO NAOKI HIRANO SHINICHI

ISHIZUKA MASAAKI

(54) ANTIBIOTIC SUBSTANCE EPOXYQUINOMICIN C AND D, ITS PRODUCTION AND ANTIRHEUMATIC AGENT

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a new compound

having a new molecular skeleton and exhibiting

epoxyquinomicin C and C1 for epoxyquinomicin D). The SOLUTION: The antibiotic substances epoxyquinomicin C and D are expressed by the formula (R is H for antirheumatic activity.

powder having weakly acidic nature; melting point, 188-D25=+128 (c=1.0, methanol); etc. The compound of strain capable of producing epoxyquinomicin C and D the formula can be produced by culturing a microbial chemical properties; appearance and nature, white epoxyquinomicin C has the following physical and 172° C (decomposition); specific rotation, [α]

such as Amycolatopsis sp. MK299-95F4 in a nutrient

medium at pH6.5-7.5 under aerobic condition.

HOH! C

LEGAL STATUS

[Date of request for examination]

Date of sending the examiner's decision of

rejection]

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I. This document has been translated by computer. So the translation may not reflect the original precisely.

2.\*\*\*\* shows the word which can not be translated.

3.In the drawings, any words are not translated.

CLAIMS

[Claim(s)] [Claim 1] The following general formula (I)

They are the antibiotic epoxy kino mycin C which is expressed with (R showing a hydrogen atom by epoxy kino mycin C, and showing a chlorine atom by epoxy kino mycin D among a formula) and which is a compound and epoxy kino mycin D, or those salts.

Amycolatopsis group to a nutrition culture medium, and is characterized by extracting epoxy kino [Claim 2] the manufacturing method of the antibiotic epoxy kino mycin C which cultivates the production bacillus of the epoxy kino mycin C and D according to claim 1 belonging to the mycin C and (or) D from the culture, and (or) epoxy kino mycin D.

[Claim 3] The following general formula (I)

3

They are the antibiotic epoxy kino mycin C which is expressed with (R showing a hydrogen atom by epoxy kino mycin C, and showing a chlorine atom by epoxy kino mycin D among a formula) and which is a compound, epoxy kino mycin D, and the following general formula (II).

(3)

It is the rheumatism agent characterized by containing at least one compound chosen from the antibiotic epoxy quinomycin A which is expressed with (R showing a chlorine atom by epoxy

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quinomycin A, and showing a hydrogen atom by epoxy knio mycin B among a formula), and which is a compound and epoxy kino mycin B, or these salts as an active principle.

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